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1 Adapting traceability environments to project-specific needs
💠 Ralf Dörnges, Klaus Pohl
   December 1998 **Communications of the ACM** , Volume 41 Issue 12
   Publisher: ACM 💠 Request Permissions
   Full text available: 📄 Pdf (498.12 KB)   Additional Information: full citation, references,

   Bibliometrics: Downloads (6 Weeks): 14,   Downloads (12 Months): 111,   Citatic

2 Getting back to basics: Promoting the use of a traceability informatio
   Patrick Mader, Orlena Gotel, Ilka Philippow
   May 2009   **TEFSE '09:** Proceedings of the 2009 ICSE Workshop on Tracea
                Software Engineering
   Publisher: IEEE Computer Society
   Full text available: 📄 Pdf (240.82 KB)   Additional Information: full citation, abstract, re

   Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 10,   Citatior

        It is widely assumed that following a process is a good thing if you want
        benefits of traceability on a software development project. A core comp
        the definition and use of a traceability information ...

3 Approximate object location and spam filtering on peer-to-peer syste
   Feng Zhou, Li Zhuang, Ben Y. Zhao, Ling Huang, Anthony D. Joseph, John
   June 2003   **Middleware '03:** Proceedings of the ACM/IFIP/USENIX 2003 Ir
                Middleware
   Publisher: Springer-Verlag New York, Inc.
   Full text available: 📄 Pdf (343.06 KB)   Additional Information: full citation, abstract, re

   Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 9,   Citation C

        Recent work in P2P overlay networks allow for decentralized object loca
        across networks based on unique IDs. In this paper, we propose an ext
        publish objects using generic *feature vectors* instead ...

        Keywords: DOLR, approximate text matching, peer-to-peer, spam filte

4 Low-cost communication for rural internet kiosks using mechanical b
💠 A. Seth, D. Kroeker, M. Zaharia, S. Guo, S. Keshav
   September 2006 **MobiCom '06:** Proceedings of the 12th annual internationa
                computing and networking

Publisher: ACM ❧ Request Permissions
Full text available: Pdf (733.95 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 191, Citatic

Rural kiosks in developing countries provide a variety of services such a
certificates, electricity bill collection, land records, email services, and c
agricultural problems. Fundamental to a kiosk's ...

Keywords: delay tolerant networks, low cost, mechanical back-haul, ru
design

5 Object ownership profiling: a technique for finding and fixing memory
Derek Rayside, Lucy Mendel
November 2007 **ASE '07:** Proceedings of the twenty-second IEEE/ACM inter
Automated software engineering
Publisher: ACM ❧ Request Permissions
Full text available: Pdf (971.69 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 76, Citation

We introduce *object ownership profiling*, a technique forfinding and fixir
oriented programs. Object ownership profiling is the first memory profili
both a hierarchy of allocated objects along with ...

Keywords: java, memory leaks, object ownership

6 Consistent overhead Byte stuffing
Stuart Cheshire, Mary Baker
April 1999 **IEEE/ ACM Transactions on Networking (TON)** , Volume 7 Issue
Publisher: IEEE Press
Full text available: Pdf (263.90 KB) Additional Information: full citation, references, inde

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 38, Citation

Keywords: Byte stuffing, framing, packet, serial, transmission

7 From abstract qualities to concrete specification using guidance polic
Scott J. Harmon, Scott A. DeLoach, Robby
May 2009 **AAMAS '09: Proceedings of The 8th International Confere
Agents and Multiagent Systems - Volume 2** , Volume 2
Publisher: International Foundation for Autonomous Agents and Multiagent Syste
Full text available: Pdf (172.15 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 3, Citation C

This research describes a formal method for transforming abstract quali
specification in the form of policies within a multiagent system design m

Keywords: O-MaSE, agent oriented software engineering, guidance, la
policy

8 The elements of nature: interactive and realistic techniques

Oliver Deusen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemysła
Roble, Jos Stam, Jerry Tessendorf
August 2004 **SIGGRAPH '04**: SIGGRAPH 2004 Course Notes
Publisher: ACM Request Permissions
Full text available: Pdf (17.65 MB)　　　Additional Information: full citation, abstract, cit

Bibliometrics: Downloads (6 Weeks): 141,　Downloads (12 Months): 1378,　Cita

This updated course on simulating natural phenomena will cover the lat
techniques for simulating most of the elements of nature. The presentei
production, interactive simulation, and research perspectives ...

9 Compiler-managed partitioned data caches for low power

Rajiv Ravindran, Michael Chu, Scott Mahlke
July 2007　　**LCTES '07**: Proceedings of the 2007 ACM SIGPLAN/SIGBED coi
　　　　　　　compilers, and tools for embedded systems
Publisher: ACM Request Permissions
Full text available: Pdf (432.35 KB)　　　Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 4,　Downloads (12 Months): 61,　Citation

Set-associative caches are traditionally managed using hardware-based
schemes that have high energy overheads. Ideally, the caching strategy
application's memory needs, thus enabling optimal use of this ...

Keywords: embedded processor, hardware/software co-managed cach
management, low-power, partitioned cache

Also published in:
　July 2007 **SIGPLAN Notices** Volume 42 Issue 7

10 An effective guidance strategy for abstraction-guided simulation

Flavio M. De Paula, Alan J. Hu
June 2007　**DAC '07**: Proceedings of the 44th annual Design Automation Cc
Publisher: ACM Request Permissions
Full text available: Pdf (192.87 KB)　　　Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 3,　Downloads (12 Months): 30,　Citation

Despite major advances in formal verification, simulation continues to b
for functional verification. Abstraction-guided simulation has long been a
leveraging the power of formal techniques to help simulation ...

Keywords: RTL, abstraction, model checking, simulation

11 Search-based binding time analysis using type-directed pruning

Tim Sheard, Nathan Linger
September 2002 **ASIA-PEPM '02**: Proceedings of the ASIAN symposium on
　　　　　　　semantics-based program manipulation
Publisher: ACM Request Permissions

Full text available: Pdf (234.25 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 8,   Citation C

We introduce a new way of performing binding time analysis. Rather tha
using constraint solving or abstract interpretation, we use a method bas
guided by type information which significantly prunes the ...

Keywords: binding time analysis, staging, type-directed search

12 Characterizing the query behavior in peer-to-peer file sharing system
Alexander Klemm, Christoph Lindemann, Mary K. Vernon, Oliver P. Waldho
October 2004 **IMC '04**: Proceedings of the 4th ACM SIGCOMM conference o
Publisher: ACM Request Permissions
Full text available: Pdf (525.94 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 62,   Citation

This paper characterizes the query behavior of peers in a peer-to-peer (
contrast to previous work, which provides various aggregate workload s
peer behavior in a form that can be used for constructing ...

Keywords: overlay networks, peer-to-peer, synthetic workloads, workl

13 Log summarization and anomaly detection for troubleshooting distrib
Dan Gunter, Brian L. Tierney, Aaron Brown, Martin Swany, John Bresnahan
September 2007 **GRID '07**: Proceedings of the 8th IEEE/ACM International
                                Computing
Publisher: IEEE Computer Society
Full text available: Pdf (223.77 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 17,   Citation

Today's system monitoring tools are capable of detecting system failure
errors, and network partitions in near-real time. Unfortunately, the sam
end-to-end distributed software stack. Any given ...

14 Hardware counter driven on-the-fly request signatures
Kai Shen, Ming Zhong, Sandhya Dwarkadas, Chuanpeng Li, Christopher St
March 2008 **ASPLOS XIII**: Proceedings of the 13th international conferenc
                                programming languages and operating systems
Publisher: ACM Request Permissions
Full text available: Pdf (437.53 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 183,   Citatic

Today's processors provide a rich source of statistical informationon app
hardware counters. In this paper, we explore the utilization of these sta
signaturesin server applications for identifying requests ...

Keywords: anomaly detection, hardware counter, operating system ad

classification, server system

15 Enhancing random walk state space exploration
Radek Pelánek, Tomáš Hanžl, Ivana Černá, Luboš Brim
September 2005 **FMICS '05:** Proceedings of the 10th international worksho
industrial critical systems
Publisher: ACM Request Permissions
Full text available: Pdf (158.68 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 13,   Downloads (12 Months): 43,   Citatior

We study the behavior of the random walk method in the context of mo
to explore a state space. We describe the methodology we have used fc
and report on the results obtained. We also describe many ...

Keywords: formal verification, random walk, state space exploration

16 PRIME—toward process-integrated modeling environments: 1
Klaus Pohl, Klaus Weidenhaupt, Ralf Dömges, Peter Haumer, Matthias Jark
October 1999 **Transactions on Software Engineering and Methodolog)**
Publisher: ACM Request Permissions
Full text available: Pdf (1.15 MB)   Additional Information: full citation, abstract, re
review

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 99,   Citatior

Research in process-centered environments (PCEs) has focused on proj
has neglected method guidance for the engineers performing the (softw
has been dominated by the search for suitable process-modeling ...

Keywords: PRIME, method guidance, process modeling, process-cente
integrated environments, process-sensitive tools, tool integration, tool r

17 The Development and Evaluation of Performance-Based Functional
Methodology for the Measurement of Physical Capabilities
Kathleen J. Price, Andrew Sears
June 2009 **Transactions on Accessible Computing (TACCESS)** , Volume
Publisher: ACM Request Permissions
Full text available: Pdf (345.48 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 35,   Downloads (12 Months): 54,   Citatior

Understanding and describing the physical capabilities of users with mo
significant challenge for accessibility researchers and system designers
use descriptors such as medical diagnoses to represent ...

Keywords: Functional assessment, HCI, accessibility, physical capabilit

18 A report on a survey and study of static analysis users
Nathaniel Ayewah, William Pugh
July 2008 **DEFECTS '08:** Proceedings of the 2008 workshop on Defects ir

Publisher: ACM Request Permissions
Full text available: Pdf (223.39 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 16,   Downloads (12 Months): 177,   Citatio

As static analysis tools mature and attract more users, vendors and res
interest in understanding how users interact with them, and how they in
development process. The FindBugs project has conducted a number ...

Keywords: FindBugs, Java, bug patterns, bugs, false positives, softwar
static analysis

19 Surface matching using consistent pants decomposition
Xin Li, Xianfeng Gu, Hong Qin
June 2008   **SPM '08:** Proceedings of the 2008 ACM symposium on Solid an
Publisher: ACM
Full text available: Pdf (2.02 MB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 37,   Citation

Surface matching is fundamental to shape computing and various down
paper develops a powerful *pants decomposition* framework for computir
with arbitrary topologies. We first conduct pants decomposition ...

Keywords: shape analysis and synthesis, surface matching

20 Communications of the ACM: Volume 52 Issue 7
July 2009   Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (7.61 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 6405,   Downloads (12 Months): 6405,   Ci

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